

# **PUBLIC NOTICE**

## **PERMIT APPLICATION: NRS 03.370**

**APPLICANT:** Town of Vanleer  
Larry Robertson, Mayor  
P.O. Box 97  
Vanleer, TN 37181-0097  
(615) 763-2843

**LOCATION:** Yellow Creek  
Dickson County

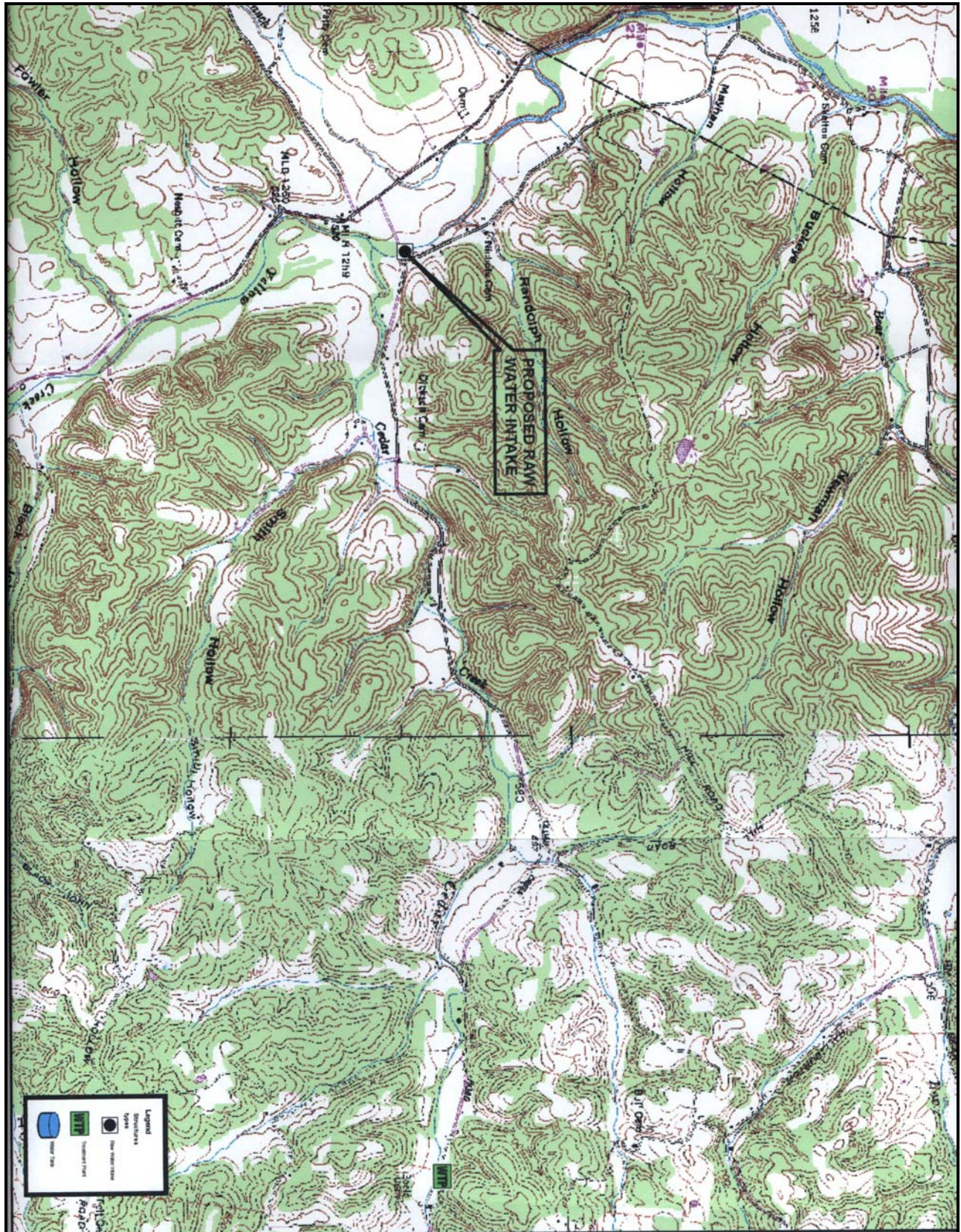
**WATERSHED DESCRIPTION:** Yellow Creek is part of the Barkley Reservoir Watershed (HUC 05130205) and the surrounding land use is predominantly rural and agricultural. The site for the proposed intake is just downstream of the confluence with Cedar Creek and the substrate is dominated by cobble and boulder with bedrock outcroppings. The site has a low sloping west bank and the creek gradually deepens to the steep east bank, the proposed intake location.

**PROJECT DESCRIPTION:** The applicant proposes the installation of a raw water intake device in Yellow Creek at the intersection of Cedar Creek Road and Old Yellow Creek Road. Temporary upstream and downstream cofferdams will be used and the base flow will be diverted through a diversion channel cut through a gravel bar on the west side of the channel. A sump pump with sediment filter will be used to remove the remaining residual water from the intake area. Excavation of the streambed bedrock will be accomplished by blasting, and the remnants will be used as fill. The town currently withdraws about 0.36 million gallons per day (MGD) from a spring source that flows to Yellow Creek. The proposed intake will replace the spring as the water supply for the town, and will have a withdrawal capacity of 1.0 MGD. The published 3-day minimum discharge at a 20- year interval (3Q20) just upstream of this site is 6.46 MGD (10 cubic feet per second).

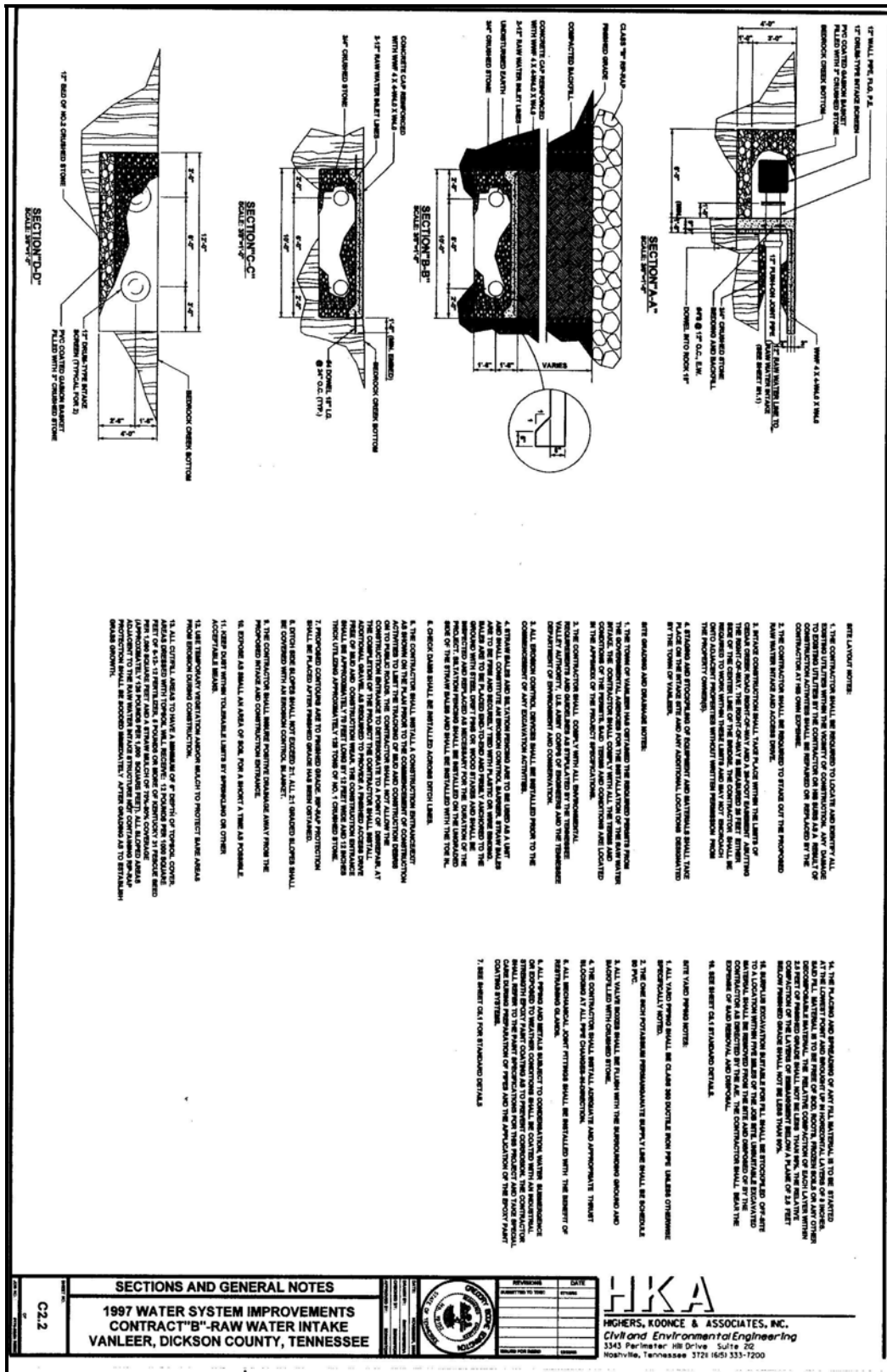
**PERMIT COORDINATOR:** Juliana W. Kyzar

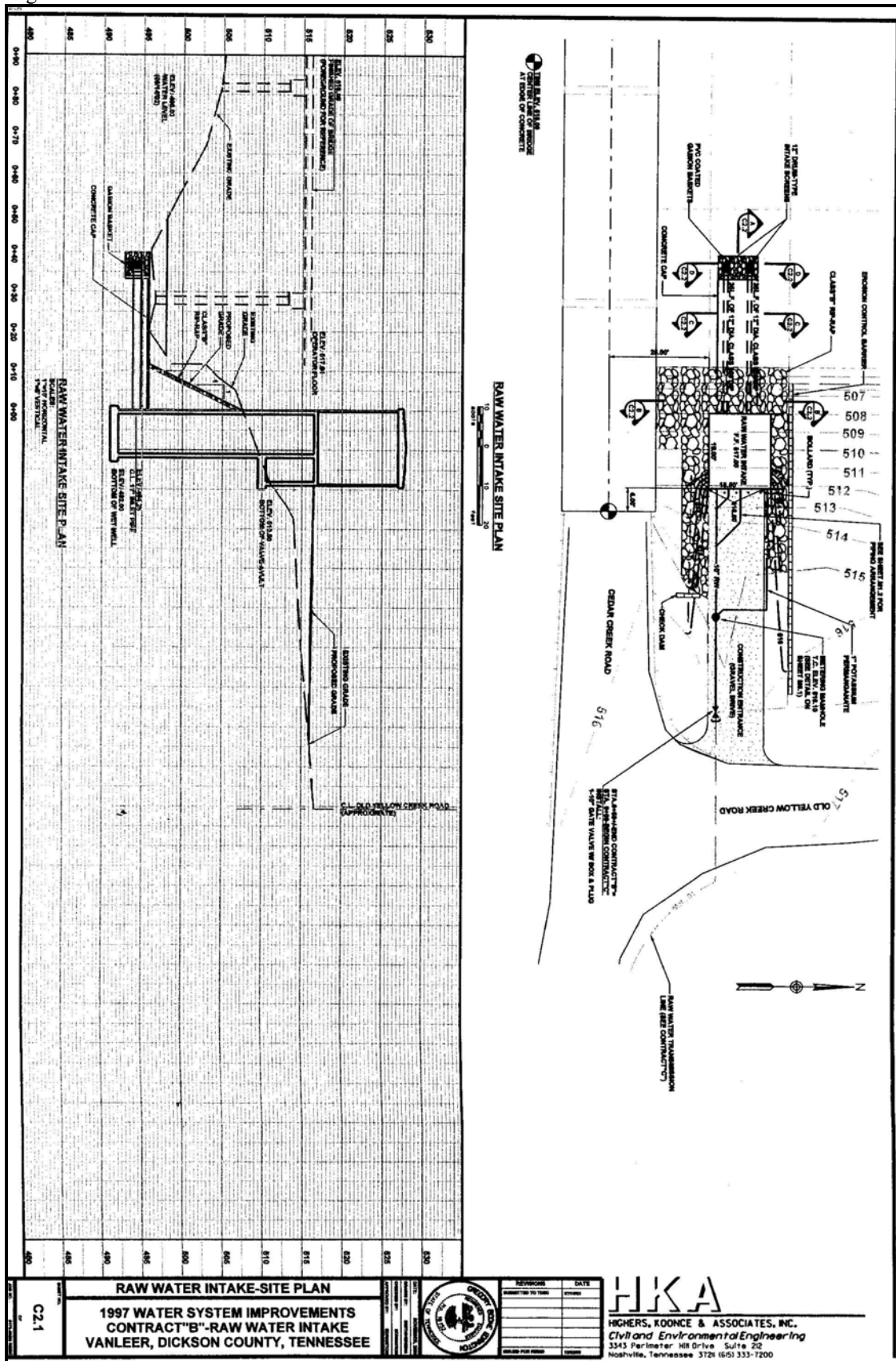
**UGGS TOPOGRAPHIC QUADRANGLE:** Ruskin Quad

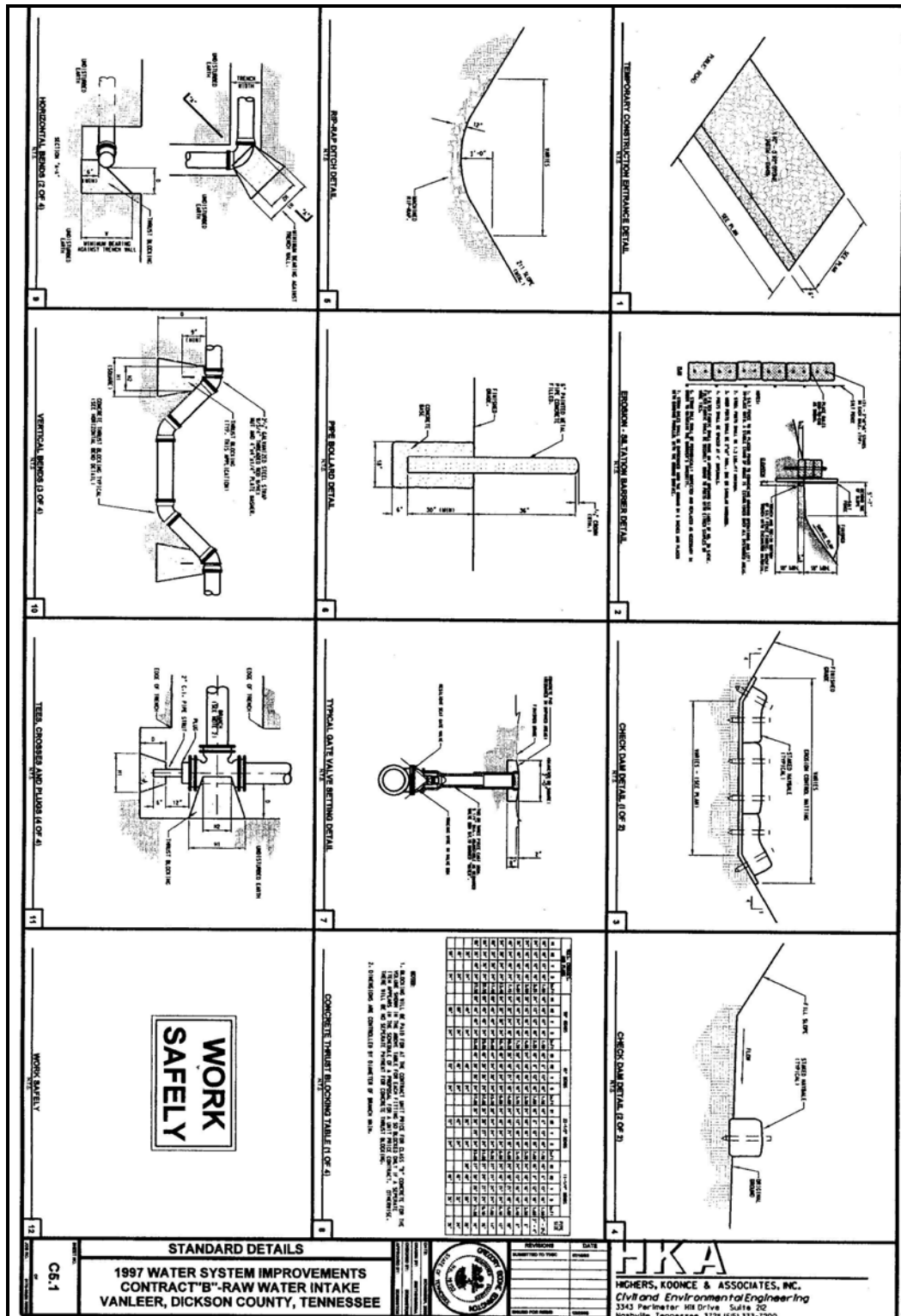












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